Distributed Mission Training Operations & Integration

24 February 1999

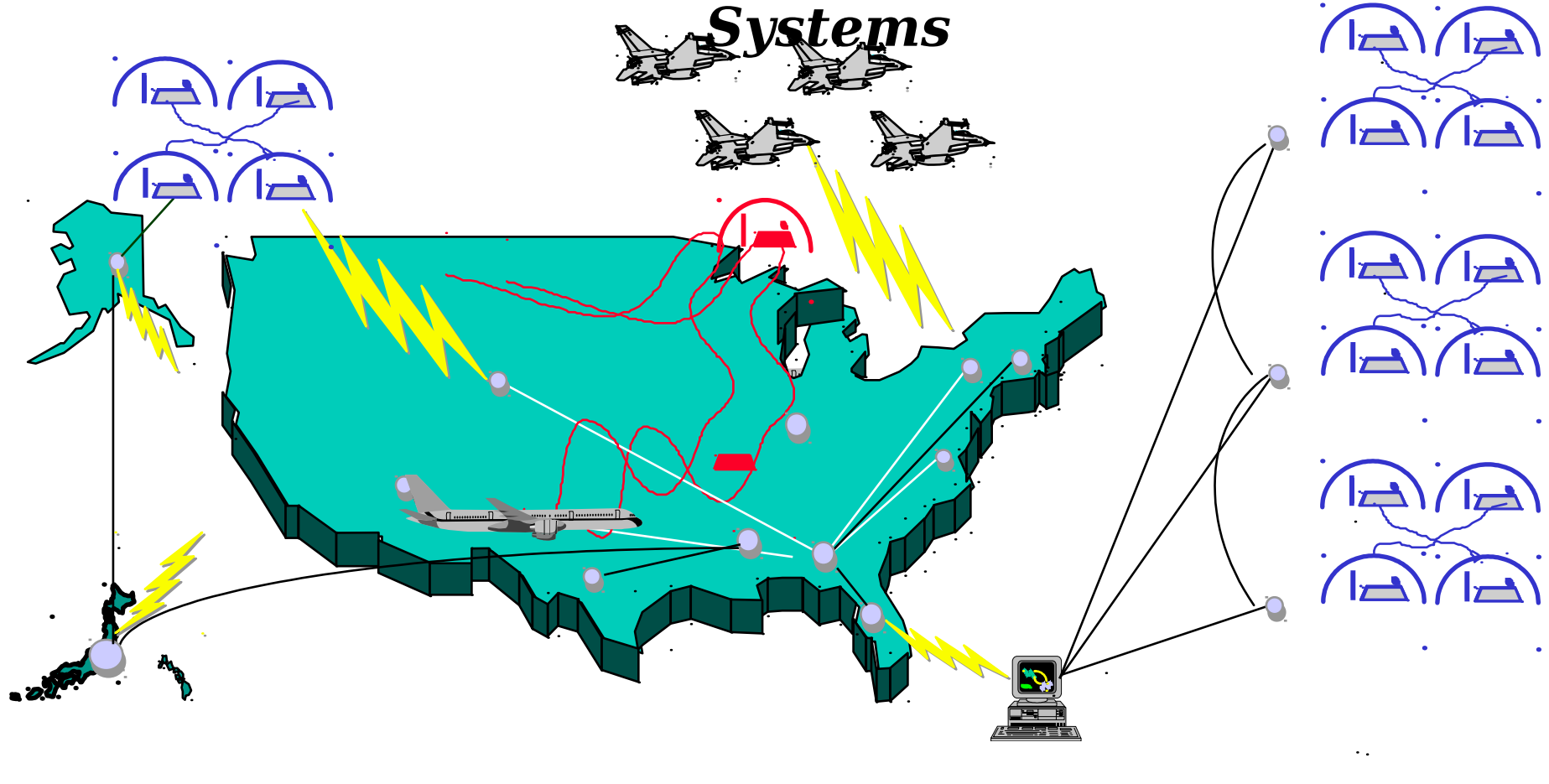
Richard Honneywell
DMT Program Manager
DSN 785-7414x587

Outline

- **Program Concept**
- **Requirements**
- **Business Structure**
- **DMT Operations and Integration**

Distributed Mission Training

A System of Training Systems

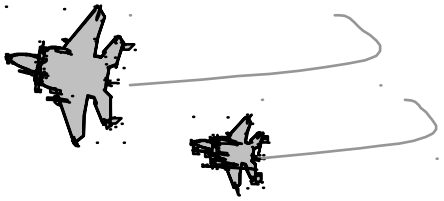


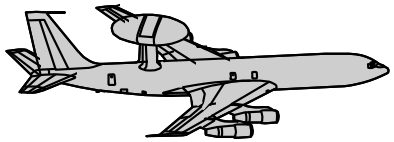
Networked Live, Virtual and Constructive Team T

DMT Roadmap

FY99-01	FY02-FY04	FY06	FY08-FY10+

Initial Capability





F-15C
AWACS
F-16
(40/50)

Fighter Battle Management

B-1
A-10
JSTARS
C-17
C-5
KC-10
C-130
KC-135

Package and small Composite Force

"Robust" Capability

F-16(30)
B-2
F-117
F-15E
F-22
Other AMC
Other C2

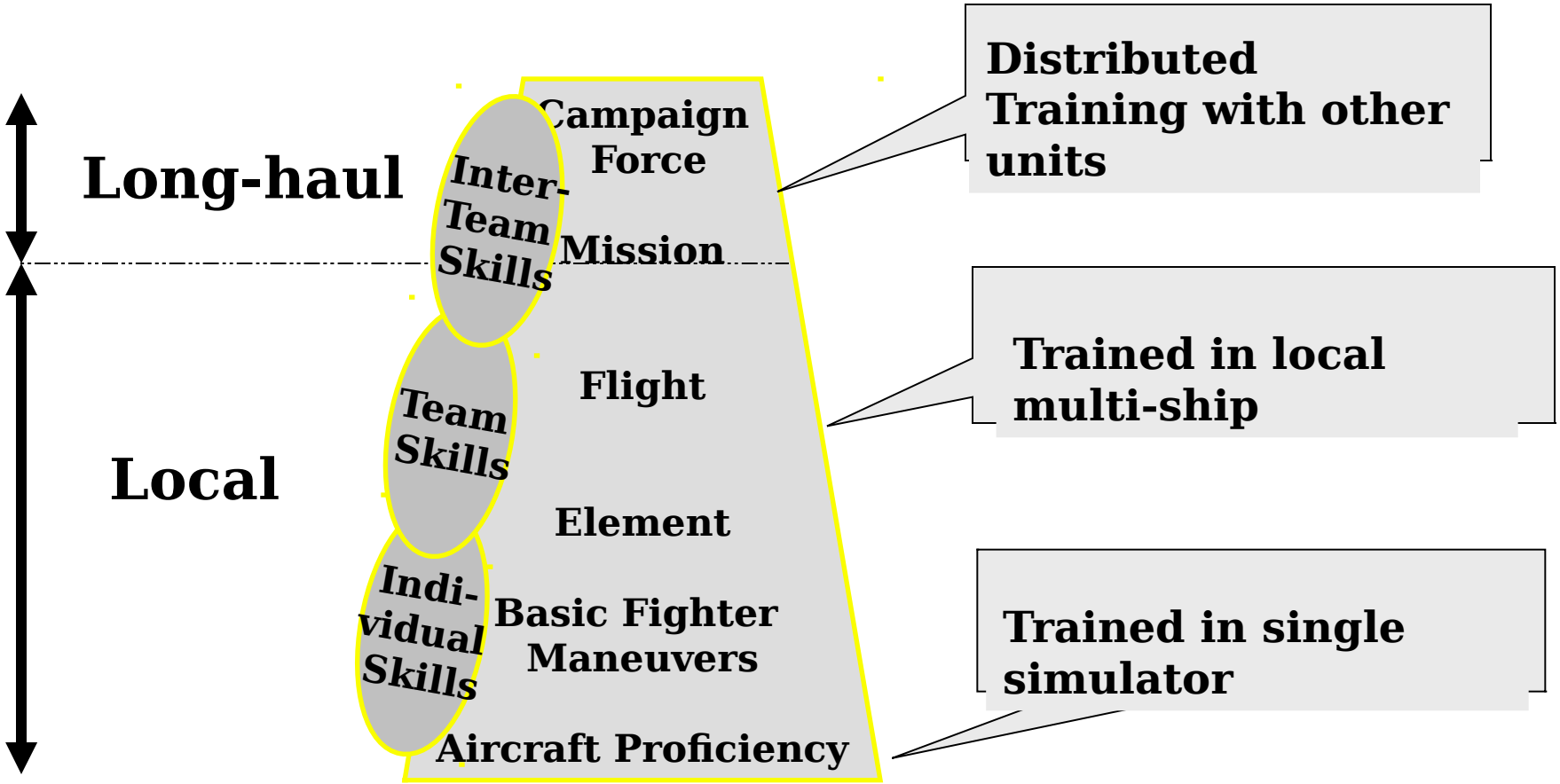
Package and Air Expeditionary Force Employment

Common Synthetic Battlespace

Mission Rehearsal Capability

Evaluate, Validate, Train, Expand Service . . .

DMT Training Focus



Training accomplished through distributed local and long-

Revolution in Business Affairs

- **Greater civilian/military industrial integration**
  - ✔ ***Commercial business practices***
  - ✔ ***Long term business relationship***
  - ✔ ***Performance based contract***
- **Shift resources from support to modernization/combat**
  - ✔ ***Buy services instead of products***
  - ✔ ***Outsource noncore responsibilities***
  - ✔ ***Streamlined acquisition process, smaller p***

Fully leveraging the revolution in Business Af

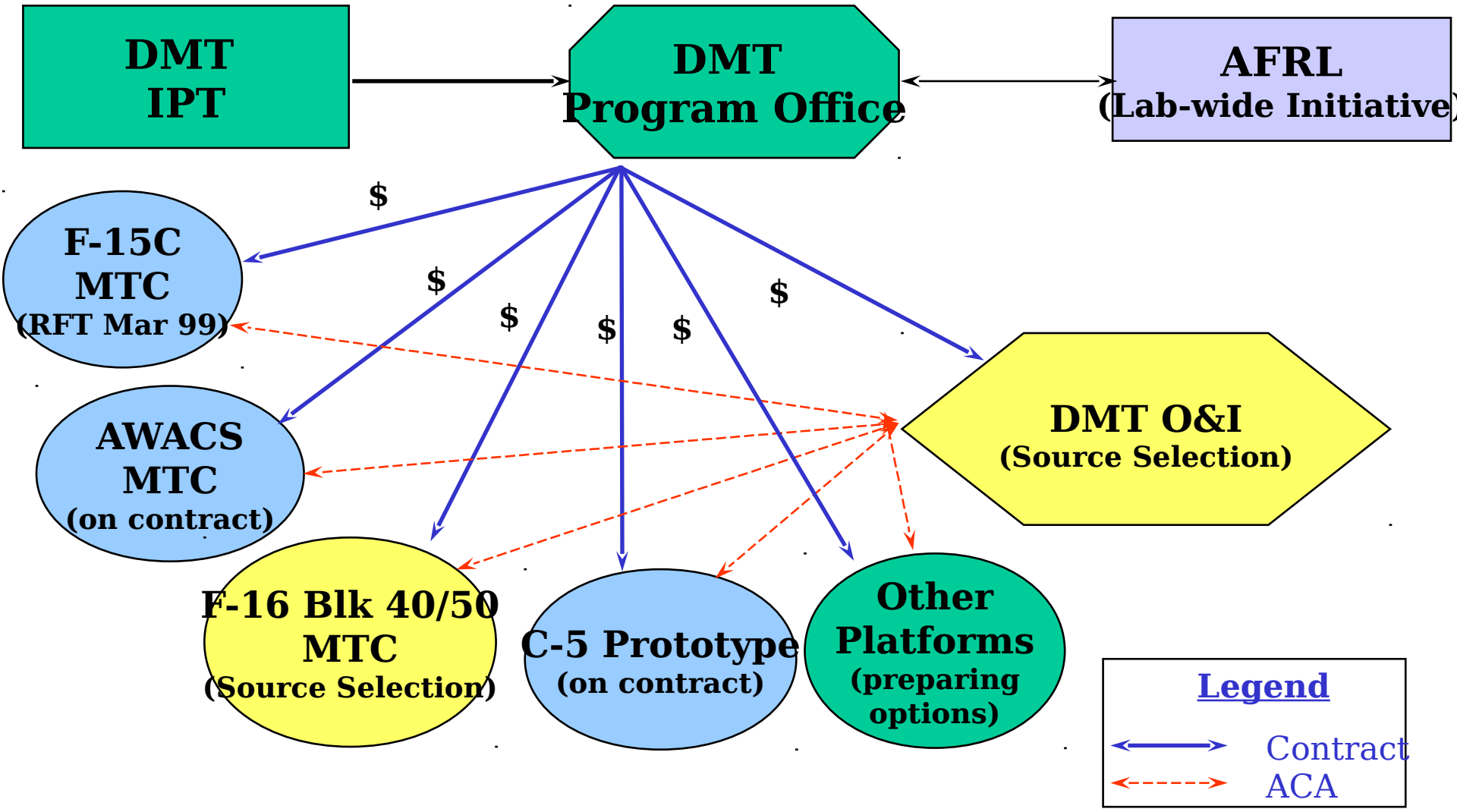
Source: Defense Reform Initiative 12/97, 912 Report, DUSD(A&T) sp

ACC Business Model

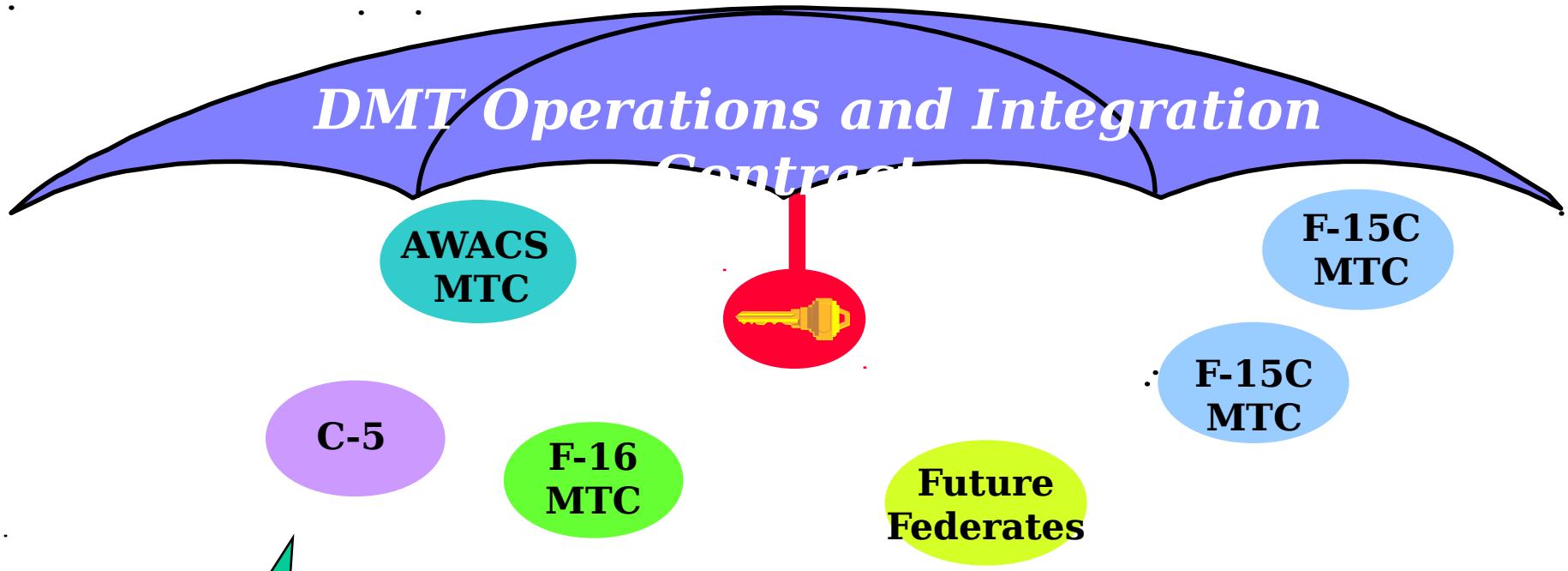
- **Move from Ownership to Services**
- **Move to Commercial Practices**
- **Increased Performance Incentives**
  - **Higher Contractor stake in on-time**
  - **Increased profit potential**
  - **Long term relationships**
- **Concurrency contracted in advance**
- **Technology Insertion Pre-priced**

Commercial Training Simulation Serv

DMT Program Status



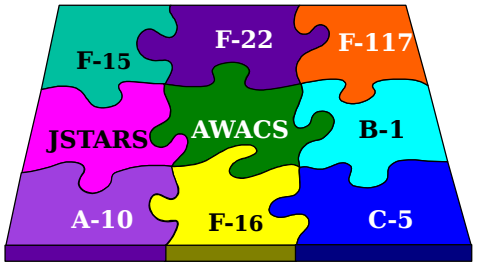
DMT Integration Concept



Training Services

- **Integration Services**
  - **Systems architecture & standards**
  - **Training Federations management**
- **Operation Services**
  - **DMT System Management**
  - **Exercise Support**

Integration Services Scope



Interoperability Standards

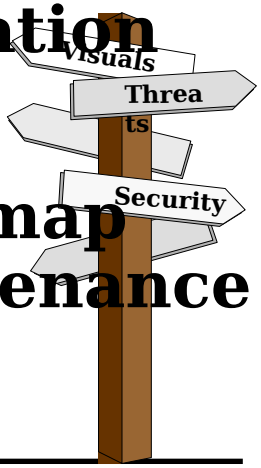
- **DMT standards establish/maintenance**

Federation Management

- **Federate Object Model/SOM management**
- **Federate verification/validation**

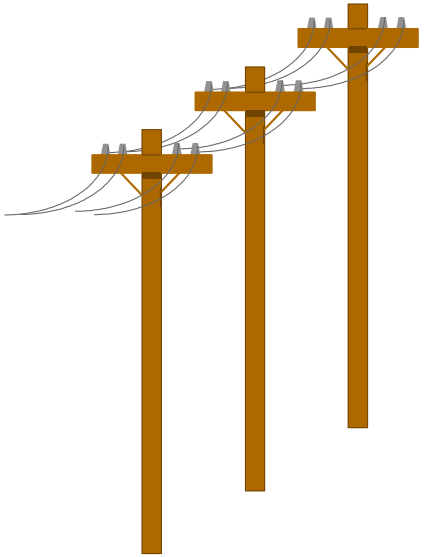
DMT System Evolution

- **Technology insertion roadmap development/maintenance**
- **R&D**



Potential integration services for up to 15 years

Network Operations Scope



DMT System Management

- **Network services provider**

Planning and Support

- **Primary interface for Wing/AF level exercises**
- **Chairs Post Training Event Review Board**

DMT Proposal Evaluation Support

- **Support future DMT Source Selections**

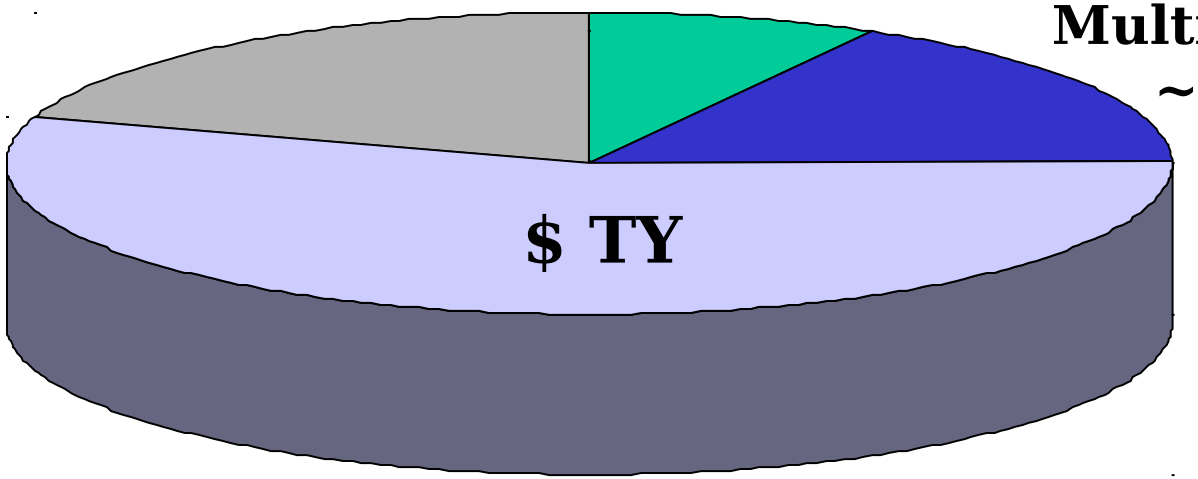
Potential network operation services for up to 15 years

DMT O&I Acquisition Scope

DMT System Evolution
CLIN 003 R&D
~$102M

Federation Management
CLIN 006
~$28M

Other Services
Multiple CLINs
~$110M



DMT System Management

Multiple CLINs

~ $311M

<u>Gov't Estimate Assumes:</u>

- **131 Sites activated over 9 years**
- **15 Year Contract**
- **Long Haul Network**
  - **Multi-point link**
  - **Band-width on demand pricing**

Summary

- **AF DMT Concept**
  - **Team Training in a distributed synthetic battlespace**
- **DMT for Aircrew Training -- moving out aggressively**
  - **New high fidelity simulator services**
  - **Adapting new business practices**
  - **Current focus: aircrew team training now -- mission rehearsal later**
- **DMT O&I**
  - **Designed to support AF growth into full DMT**
    - **Establish common standards/interoperability**
    - **Flexible to accommodate diverse “federates”**
    - **Robust distributed mission training capability**
  - **Current focus -- meet ACC & AMC requirements now -- AFSOC and others later**

BACKUPS

DMT Red Team

- **Examine AF DMT Implementation:**
  - **AF Management Framework**
    - **CONOPS, Program Integration, Oversight, Operating Standards**
  - **Overall Requirements Process**
    - **DMT Vision, Integration, Oversight**
  - **Technology Assessment**
    - **Technology needs, limitations, shortfalls**
  - **Acquisition Program Management**
    - **Single manager role, integration concept, acquisition strategy(ies), government involvement, legacy system integration**
- **Provide assessment of current approaches**
- **Recommend improvements/alternatives**

AMC DMT Business Model

- **Retain Ownership of AMC Training System Hardware**
  - **Significant investment in high-fidelity simulators**

- **DMT added to Aircrew Training System contracts**
  - **Integrate into contract recompetitions or ECPs**
  - **Networking Modifications**
  - **System upgrades as required**
  - **DMT O&I interface**

- **Integration/Connectivity between sites**